



SPYWOLF

Security Audit Report



Completed on
May 9, 2023



OVERVIEW

This audit has been prepared for **BSC PEPE** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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BSC PEPE



PROJECT DESCRIPTION

According to their whitepaper:

Bscpepe is tired of watching everyone play hot potato with the endless derivative ShibaCumGMelonKishuTurboAssFlokiMoon Inu coins. The Inu's have had their day. It's time for the most recognizable meme in the world to take his reign as king of the memes.

Bscpepe is here to make memecoins great again. \$PEPEB is a coin for the people, forever. Fueled by pure memetic power, let \$PEPEB show you the way.

Release Date: Presale starts in May, 2023

Category: Meme token



CONTRACT INFO

Token Name
BSC PEPE

Symbol
PEPEB

Contract Address

0xf285E8F9477e1504788A45A1a3227B895824E88b

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Nov 8, 2023

Verified?

Yes

Total Supply

210,000,000,000,000

Status

Not launched

TAXES

Buy Tax
11%

Sell Tax
11%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	2100000000000000 PEPEB
Median Transfer Amount	2100000000000000 PEPEB
Average Transfer Amount	2100000000000000 PEPEB
First transfer date	2023-05-08
Last transfer date	2023-05-08
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2023-05-08 04:06:20 UTC
Created	2023-05-08 04:06:20 UTC
Create TX	0x1ca71f05580defa8e5319d95bad6f950cd96ac716d8b1bc36057f1615b9dd30a
Creator	0xf73f63d9f648695918632f9364ee33a2bbc0e40b



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Owner can set max transaction limit without limitations. This can lead to inability to sell.

```
function setMaxTxPercent(uint256 maxTxPercent) public onlyOwner() {  
    uint256 oldMaxTxAmount = _maxTxAmount;  
    _maxTxAmount = _tTotal.mul(maxTxPercent).div(10000);  
    emit SetMaxTxPercent(oldMaxTxAmount, _maxTxAmount);  
}
```

- Recommendation:
 - Considered as good transaction limit practice is max transaction amount to be always above 0.1% of total supply.



FOUND THREATS

⚠ High Risk

Owner can set buy/sell fees up to 60%.

Combined buy+sell = 100%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make. Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
function setTaxFeePercent(uint256 taxFee) external onlyOwner() {
    require(taxFee <= 30, 'Tax fee should be less than or equal to 30');
    uint256 oldTaxFee = _taxFee;
    _taxFee = taxFee;
    emit SetTaxFeePercent(oldTaxFee, taxFee);
}

function setLiquidityFeePercent(uint256 liquidityFee) external onlyOwner() {
    require(liquidityFee <= 30, 'Liquidity fee should be less than or equal to 30');
    uint256 oldLiquidityFee = _liquidityFee;
    _liquidityFee = liquidityFee;
    emit SetLiquidityFeePercent(oldLiquidityFee, liquidityFee);
}
```

- Recommendation:
 - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.



Informational

Owner can exclude address from fees.

Owner can exclude address from rewards.

Owner can exclude address from max transaction limitations.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeFromFee(address account) public onlyOwner {
    _isExcludedFromFee[account] = true;
    emit ExcludeFromFee(account, true);
}

function excludeFromReward(address account) public onlyOwner() {
    // require(account != 0x7a250d5630B4cF539739dF2C5dAcb4c659F2488D,
    'We can not exclude Pancake router. ');
    require(!_isExcluded[account], "Account is already excluded");
    if (_rOwned[account] > 0) {
        _tOwned[account] = tokenFromReflection(_rOwned[account]);
    }
    _isExcluded[account] = true;
    _excluded.push(account);
}

function setExcludeFromMaxTx(address _address, bool value) public onlyOwner {
    _isExcludedFromMaxTx[_address] = value;
}
```



Informational

Owner can withdraw any tokens from the contract.

When this function is present, in cases tokens sent into the contract by mistake or purposefully, contract's owner can retrieve them.

```
function transferAnyERC20Token(address tokenAddress,
uint256 amount, address userAddress) public onlyOwner returns (bool success) {
    return IBEP20(tokenAddress).transfer(userAddress, amount);
}

function retrieveMainBalance(uint256 amount, address userAddress) public onlyOwner {
    payable(userAddress).transfer(amount);
}
```

Owner can change airdrop criteria.

Users can claim airdrop once according to the current criteria set.

```
function startAirdrop(uint256 _airdropStartBlock, uint256 _airdropEndBlock,
uint256 _airdropAmount, uint256 _airdropCap) public onlyOwner() {
    airdropStartBlock = _airdropStartBlock;
    airdropEndBlock = _airdropEndBlock;
    airdropAmount = _airdropAmount;
    airdropCap = _airdropCap;
    airdropTotal = 0;
}

function getAirdrop() public returns (bool success){
    require(airdropStartBlock <= block.number && block.number <= airdropEndBlock);
    require(airdropTotal < airdropCap || airdropCap == 0);
    if (_isClaimAirDrop[msg.sender]) {
        revert("You already claimed");
    }
    require(!_isExcluded[msg.sender], "Account is excluded");
    airdropTotal++;
    _tokenTransfer(address(this), msg.sender, airdropAmount, false);
    _isClaimAirDrop[msg.sender] = true;
    _listClaimAirDrop[msg.sender] = airdropAmount;
    return true;
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

BSC PEPE

GOOD PRACTICES FOUND

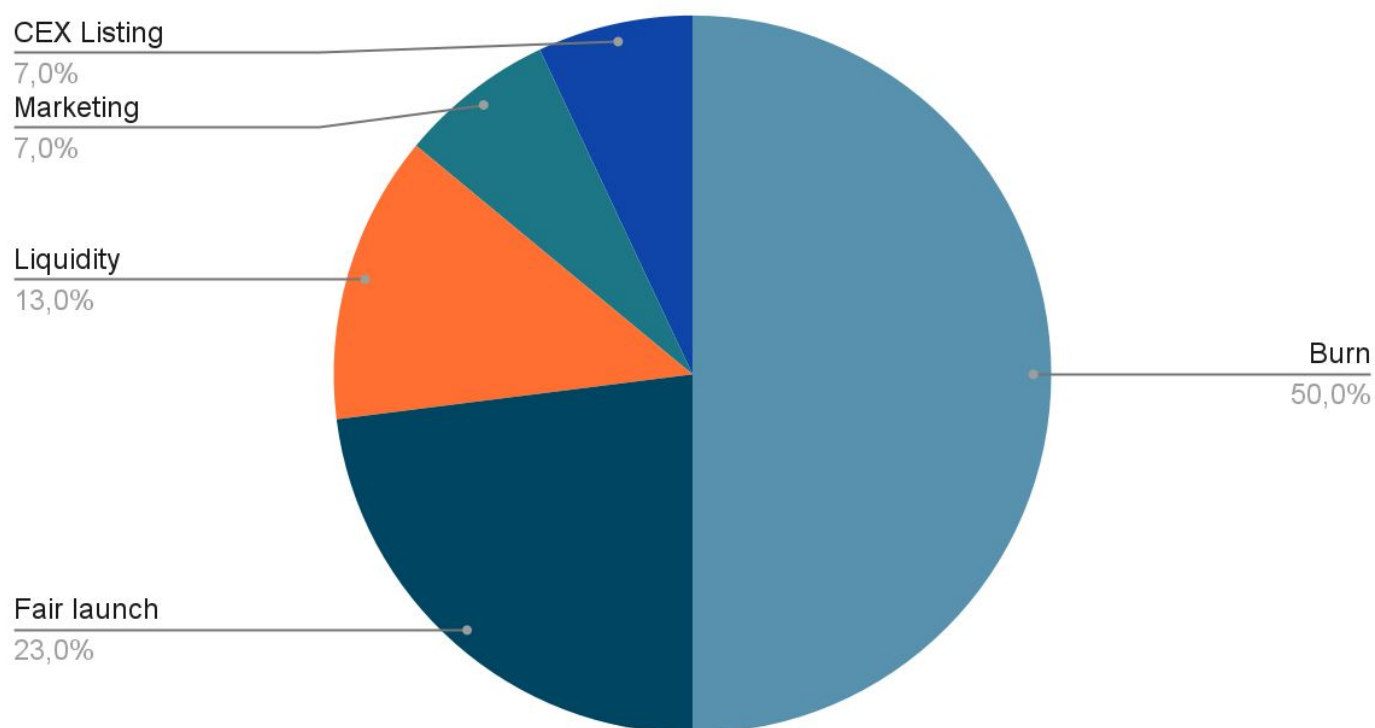
- ✓ The owner cannot mint new tokens after deployment
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



*he following tokenomics are based on the project's whitepaper and/or website:

- 50% - Burn
- 23% - Fair launch
- 13% - Liquidity
- 7% - Marketing
- 7% - CEX Listing

Tokens distribution



TOKENOMICS



THE TEAM

! The team is anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





Website URL

<https://bscpepe.vip/>

Domain Registry

<https://www.bluerazor.com>

Domain Expiration

2024-05-06

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Very nice color scheme and overall layout.

Content

The information helps new investors understand what the product does right away. No grammar errors found. .

Whitepaper

Well written but a bit short

Roadmap

Yes

Mobile-friendly?

Yes



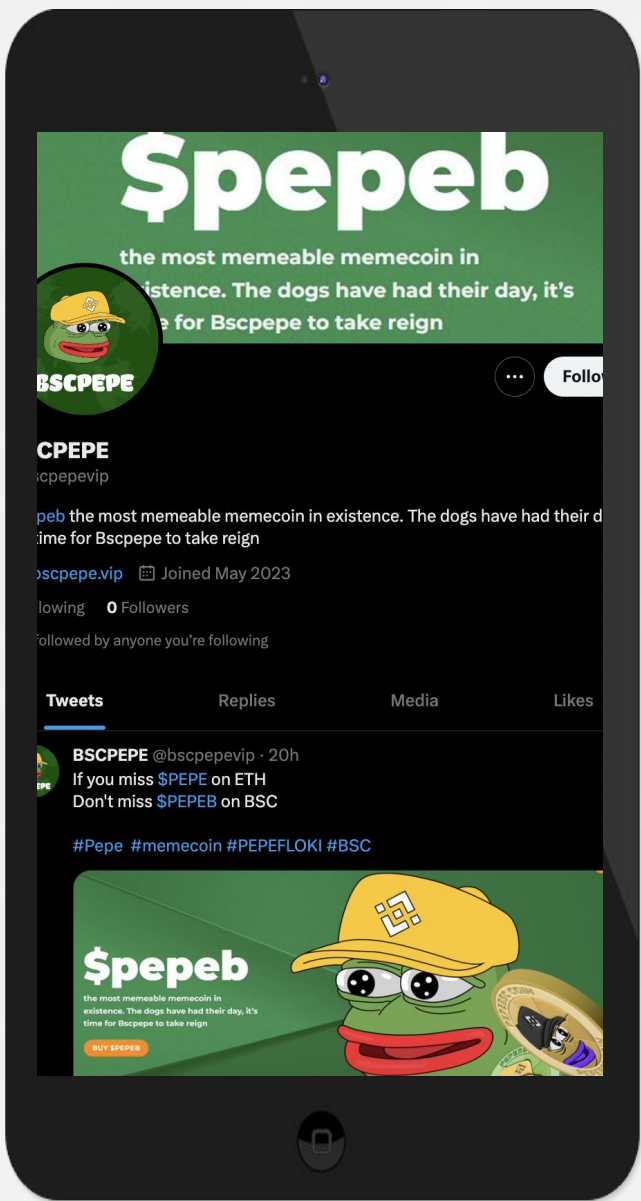
bscpepe.vip



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS
Project’s social media pages are new but active.



Twitter

@bscpepevip

- 0 followers
- 2 total posts
- New account



Discord

- Not available



Telegram

@TelegramUSERNAME

- 2 members
- No active mods
- No active members



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.